

Interference search

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	225	348/208.99.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 14:53
L2	1719	348/143.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 14:53
L3	32	348/208.3.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 15:50
L4	150	348/154.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 14:54
L5	208	396/54.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 15:50
L6	240	396/52.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 14:54
L7	1133	396/155.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 14:54

## EAST Search History

L8	81	396/53.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 14:54
L12	98	348/208.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/29 14:55
L13	73	348/208.2.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/29 14:55
L14	90	348/208.4.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/29 16:00
L30	51	28 and resonance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 15:17
L31	74	28 and reson\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 15:17
L37	3736	1 2 3 4 6 7 8 12 13 14 35 5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/29 16:01
L38	481	37 and (reson\$5 or vibrat\$4 or shak\$4 or trembl\$4) same (camera or (imag\$4 near3 (device or apparatus or tak\$3 or pick\$3up or system))) same (pan\$4 or tilt\$4 or rotat\$4 or mov\$3 or pitch)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 16:05

## EAST Search History

L39	38	37 and (vibrat\$4 or shak\$4 or trembl\$4) same (camera or (imag\$4 near3 (device or apparatus or tak\$3 or pick\$3up or system))) same (pan\$4 or tilt\$4 or rotat\$4 or mov\$3 or pitch) and reson\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 16:07
L40	2	((camera or (imag\$3 near3 (captur\$4 or pick\$3up or tak\$3 or system or device or apparatus))) same (engine or motor or driv\$3) same speed same reson\$4 same (alternative or chang\$3 or modif\$4 or adjust\$4 or modulat\$4 or alter\$3)).clm.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 16:10
L41	49	((camera or (imag\$3 near3 (captur\$4 or pick\$3up or tak\$3 or system or device or apparatus))) same (engine or motor or driv\$3) same speed same reson\$4 same (alternative or chang\$3 or modif\$4 or adjust\$4 or modulat\$4 or alter\$3))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 16:10
L42	1	37 and 41	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 16:11

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	225	348/208.99.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 14:53
L2	1719	348/143.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 14:53
L3	32	348/208.3.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 14:53
L4	150	348/154.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 14:54
L5	208	396/54.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 14:54
L6	240	396/52.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 14:54
L7	1133	396/155.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 14:54

## EAST Search History

L8	81	396/53.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 14:54
L12	98	348/208.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/29 14:55
L13	73	348/208.2.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/29 14:55
L14	90	348/208.4.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/29 14:55
L15	1485	"358"/\$.ccls. and (tilt\$4 or pan\$4) with (engine or driver or motor or means)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 15:18
L16	16	"358"/\$.ccls. and (tilt\$4 or pan\$4) with (engine or driver or motor or means) same (shak\$4 or vibrat\$4 or trembl\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 14:59
L17	102	(pan\$3 or tilt\$3 or surveillance) and resonance near2 frequency same speed same structure	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 15:16
L18	176	camera and (pan\$4 or tilt\$4 or mov\$3) same vibration same (motor or actuator or engine) same noise	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 15:00

## EAST Search History

L19	38	(camera or (imag\$3 near2 (device or apparatus or system)) or ccd or imager) same (pan\$4 or tilt\$3) same (motor or driver or engine or actuator) and (detect\$4 or measur\$4 or sens\$3 or monitor\$3) with (speed or vibrat\$4 or shak\$4 or resonance) same (adjust\$3 or fix\$3 or modif\$3 or reduc\$3 or chang\$3) near4 (speed or frequency) same (pan\$4 or tilt\$3) same (motor or driver or engine or actuator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 15:02
L20	27	(pan\$4 or tilt\$4) with motor with camera with (vibrat\$4 or shak\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/29 15:02
L21	54	(pan\$4 or tilt\$4) with shak\$4 and detect\$4 near4 speed and camera	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 15:03
L22	309	camera and (reduc\$4 or minimiz\$4 or cancel\$4 or adjust\$4 or inhibit\$4 or decreas\$3) with (noise\$4 or vibrat\$4 or resonance or shak\$3) same (pan\$4 or tilt\$4) and (adjust\$4 or reduc\$4 or modif\$3 or chang\$3 or decreas\$3) with (motor or means or rotat\$3 or actuator or driv\$3) with (frequenc\$3 or speed)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 15:08
L23	71	camera and (sens\$4 or detect\$4 or measur\$3) with (vibrat\$4 or resonance or shak\$4) same (control\$4 or reduc\$4 or minimiz\$4 or decreas\$4 or slow\$4) with (motor or engine or driver or actuator) same (stabiliz\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 15:10
L24	40	348/208.1.ccls. and (pan\$4 or tilt\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 15:13

## EAST Search History

L25	171	pan\$4 with tilt\$4 with after and camera and step\$4 with pan\$4 with tilt\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 15:14
L27	20	(pan\$4 or tilt\$4) with motor with imag\$4 with (vibrat\$4 or shak\$4 or trembl\$4 or resonance)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/29 15:15
L28	3884	1 2 3 4 5 6 7 8 12 13 14	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 15:16
L30	51	28 and resonance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 15:17
L31	74	28 and reson\$5	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 15:17
L32	690	((Tougo with terramoto) or (junji with sato)).in.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 15:20
L34	35	32 and (reson\$4 or vibrat\$4 or trembl\$4 or shak\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 15:20
S1	68	camera and (pan\$3 or tilt\$3 or surveillance) and resonance near2 frequency same speed	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/07 16:34

## EAST Search History

S2	98	(pan\$3 or tilt\$3 or surveillance) and resonance near2 frequency same speed same structure	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 14:59
S3	3	(pan\$3 or tilt\$3 or surveillance) and resonan\$3 near2 frequency same speed same structure and camera with noise	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/07 16:40
S4	694	((teramoto with tougo) or (sato with junji)).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/07 16:41
S5	15	S4 and resonan\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/07 16:42
S6	3	camera and (pan or tilt or mov\$3) with resonan\$3 with (motor or actuator or engine) same noise	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/07 16:44
S7	3	camera and (pan\$4 or tilt\$4 or mov\$3) with resonan\$3 with (motor or actuator or engine) same noise	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/13 11:27
S8	20	camera and (pan\$4 or tilt\$4 or mov\$3) same resonan\$3 same (motor or actuator or engine) same noise	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/07 17:31



## EAST Search History

S9	170	camera and (pan\$4 or tilt\$4 or mov\$3) same vibration same (motor or actuator or engine) same noise	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 15:00
S10	56	S9 and (modif\$4 or reduc\$4 or adjust\$4 or control\$4 or decreas\$4) near3 speed	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 10:22
S11	211	348/208.99.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 14:53
S12	13	348/208.99.ccls. and resonance	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 10:29
S13	101	348/208.99.ccls. and (vibration or (natural adj frequenc\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 10:33
S14	1987	camera and (pan\$4 or tilt\$3 or rotat\$3) same (motor or driver or engine or actuator) with (detect\$4 or determin\$4 or measur\$4) with (speed or vibrat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 10:35
S15	1473	camera and (pan\$4 or tilt\$3 or rotat\$3) same (motor or driver or engine or actuator) with (detect\$4 or measur\$4) with (speed or vibrat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 10:36

## EAST Search History

S16	443	camera same (pan\$4 or tilt\$3 or rotat\$3) same (motor or driver or engine or actuator) with (detect\$4 or measur\$4) with (speed or vibrat\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 10:37
S17	351	S16 not tsikos not knowles not zhu	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 10:39
S18	63	camera same (pan\$4 or tilt\$3 or rotat\$3) same (motor or driver or engine or actuator) with (detect\$4 or measur\$4) with (speed or vibrat\$4) same (adjust\$3 or fix\$3 or modif\$3 or reduc\$3 or chang\$3) near4 (speed or frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 10:49
S19	62	S18 not tsikos not knowles not zhu	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 11:26
S20	16	(camera or (imag\$3 near2 (device or apparatus or system)) or ccd or imager) same (pan\$4 or tilt\$3) same (motor or driver or engine or actuator) with (detect\$4 or measur\$4) with (speed or vibrat\$4) same (adjust\$3 or fix\$3 or modif\$3 or reduc\$3 or chang\$3) near4 (speed or frequency)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 11:04
S21	34	(camera or (imag\$3 near2 (device or apparatus or system)) or ccd or imager) same (pan\$4 or tilt\$3) same (motor or driver or engine or actuator) and (detect\$4 or measur\$4 or sens\$3 or monitor\$3) with (speed or vibrat\$4 or shak\$4 or resonance) same (adjust\$3 or fix\$3 or modif\$3 or reduc\$3 or chang\$3) near4 (speed or frequency) same (pan\$4 or tilt\$3) same (motor or driver or engine or actuator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 15:00

## EAST Search History

S22	3	"57208547"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 11:07
S23	12	"2242753"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 11:07
S24	7	("3984628"   "4516156"   "5109278"   "5111288"   "5315633"   "5570177"   "5572317").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/08 11:13
S25	18	("3984628").URPN.	USPAT	OR	OFF	2007/02/08 11:13
S26	92	348/208.1.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 11:21
S27	38	348/208.1.ccls. and (pan\$4 or tilt\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 15:13
S28	289	camera and (reduc\$4 or minimiz\$4 or cancel\$4 or adjust\$4 or inhibit\$4 or decreas\$3) with (noise\$4 or vibrat\$4 or resonance or shak\$3) same (pan\$4 or tilt\$4) and (adjust\$4 or reduc\$4 or modif\$3 or chang\$3 or decreas\$3) with (motor or means or rotat\$3 or actuator or driv\$3) with (frequenc\$3 or speed)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 15:07
S29	183	S28 not tsikos not knowles not zhu	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 11:27

## EAST Search History

S30	29	348/208.3.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 14:53
S31	1	"6982746".pn. and shak\$3 with (pan\$1tilt or pan\$4 or tilt\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 12:12
S32	1	10/696281	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 12:12
S33	14	("20010012059"   "20030035053"   "4992855"   "5210563"   "5237365"   "5502484"   "5585875"   "5587737"   "5905848"   "5978599"   "5990942"   "6173121"   "6501503").PN. OR ("6982746").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/08 14:34
S34	64	camera and (sens\$4 or detect\$4 or measur\$3) with (vibrat\$4 or resonance or shak\$4) same (control\$4 or reduc\$4 or minimiz\$4 or decreas\$4 or slow\$4) with (motor or engine or driver or actuator) same (stabiliz\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 15:09
S35	1640	348/143.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 14:53
S40	337	348/155.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/17 13:20

## EAST Search History

S41	225	396/52.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 15:17
S42	80	396/53.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 15:17
S43	206	396/54.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 14:54
S44	2	camera and (sens\$4 or detect\$4 or measur\$3) with (vibrat\$4 or resonance or shak\$4) with speed with (motor or engine or driver or actuator) same (control\$4 or reduc\$4 or minimiz\$4 or decreas\$4 or slow\$4) with (motor or engine or driver or actuator) same (stabiliz\$4)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 15:42
S45	84	camera and (sens\$4 or detect\$4 or measur\$3) with (vibrat\$4 or resonance or shak\$4) with speed with (motor or engine or driver or actuator) same (control\$4 or reduc\$4 or minimiz\$4 or decreas\$4 or slow\$4) with (motor or engine or driver or actuator)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 16:08
S46	50	(pan\$4 or tilt\$4) with shak\$4 and detect\$4 near4 speed and camera	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 15:03
S47	3	(pan\$4 or tilt\$4) with shak\$4 and detect\$4 near4 speed with motor and camera	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 16:20

## EAST Search History

S48	7	(pan\$4 or tilt\$4) with vibrat\$4 and detect\$4 near4 speed with motor and camera	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 16:43
S49	10	(pan\$4 or tilt\$4) with vibrat\$4 and (detect\$4 or measur\$4) near4 (speed or frequency) with motor and camera	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/08 16:48
S50	23	(pan\$4 or tilt\$4) with motor with camera with (vibrat\$4 or shak\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/29 15:02
S51	16	(pan\$4 or tilt\$4) with motor with imag\$4 with (vibrat\$4 or shak\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/29 15:14
S52	208	camera and (sens\$4 or detect\$4 or measur\$3) with (frequency or speed) with (driver or motor or driving or engine or actuator) same (control\$4 or reduc\$4 or minimiz\$4 or decreas\$4 or slow\$4) with (motor or engine or driver or actuator) same (vibrat\$4 or shak\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/09 09:47
S53	138	S52 and (@ad<"20030626" or @rlad<"20030626")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/09 10:13
S54	19	ejima.in. and public	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/09 12:22

## EAST Search History

S55	14	"5876929"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/09 12:23
S56	2	"6876929"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/09 12:23
S57	6	"5826929"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/09 12:23
S58	513	"5876969"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/09 12:23
S59	0	"5876969.pn."	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/09 12:23
S60	2	"5876969".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/09 12:24
S61	2	"5826969".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/09 12:24

## EAST Search History

S62	20	limb near3 dark\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/09 15:23
S63	39	limb near3 dark\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/09 15:23
S64	63	limb near3 darken\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/12 11:52
S65	1375	lens same shad\$4 near3 correct\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/12 11:54
S66	434	S65 and camera	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/12 11:54
S68	66	(nelson with hernandez).xa.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/12 12:08
S83	19	("4583186"   "4734783"   "4816663"   "4845551"   "4945406"   "4979042"   "5134573"   "5253083"   "5303056"   "5343302"   "5461440"   "5659813"   "5822453"   "6141046"   "6181830"   "6323934"   "6339466").PN. OR ("6670988").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/12 14:49
S86	50	"4945406"	USPAT	OR	OFF	2007/02/12 15:24
S13 9	211	348/208.99.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/29 14:55
S14 0	150	348/208.99.ccls. and (shak\$4 or vibrat\$4 or resonance)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/17 13:07



## EAST Search History

S14 1	77	348/208.99.ccls. and (shak\$4 or vibrat\$4 or resonance) and (pan\$4 or tilt\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/17 13:08
S14 2	11	S141 and resonance	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/17 13:09
S14 3	92	348/208.1.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/06/29 14:55
S14 4	4	S143 and resonance	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/17 13:09
S14 5	71	348/208.2.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/17 13:10
S14 6	29	348/208.3.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/17 13:19
S14 7	80	348/208.4.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/17 13:20
S14 9	134	(resonance and (motor or driv\$3 or engine or actuator) and (camera or imag\$3 near1 (device or apparatus or system) or imager) and (frequenc\$3 or speed or acceleration or pulse or velocity) and (angle or position)).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/17 13:26
S15 0	6	(resonance same (motor or driv\$3 or engine or actuator) same (camera or imag\$3 near1 (device or apparatus or system) or imager) same (frequenc\$3 or speed or acceleration or pulse or velocity) same (angle or position)).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/17 13:27

## EAST Search History

S15 1	0	pan\$4 and tilt\$4 and camera and motor near6 pan\$4 and mtor near6 tilt\$4 and motor near5 (after or off) and @ad<"20030623"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/20 14:11
S15 2	2	("5978016").PN.	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/20 14:11
S15 3	60	pan\$4 and tilt\$4 and camera and motor near6 pan\$4 and motor near6 tilt\$4 and motor near5 (after or off) and @ad<"20030623"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/02/20 14:13
S15 4	7	("3984628"   "4516156"   "5109278"   "5111288"   "5315633"   "5570177"   "5572317").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/20 14:36
S15 5	0	perform\$4 with pan\$4 with after with tilta\$4 and camera	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/20 17:44
S15 7	8	"6297870"	US-PGPUB; USPAT; USOCR	OR	OFF	2007/02/20 17:51
S16 0	4	"6930718"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/20 18:17
S16 1	4	"6833861"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/21 09:06
S16 2	161	pan\$4 with tilt\$4 with (after) and camera and step\$4 with pan\$4 with tilt\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/06/29 15:13

## EAST Search History

S16 3	140	pan\$4 with tilt\$4 with first with second and camera and step\$4 with pan\$4 with tilt\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/21 11:32
S16 4	81	S163 and @ad<"20021113"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/21 11:28
S16 5	1	pan\$4 with tilt\$4 with different near3 (period or time) and camera and step\$4 with pan\$4 with tilt\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/21 11:33
S16 6	0	pan\$4 with tilt\$4 with "not" with simultaneous\$3 and camera and step\$4 with pan\$4 with tilt\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/21 11:34
S16 7	60	pan\$4 with tilt\$4 with simultaneous\$3 and camera and step\$4 with pan\$4 with tilt\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/21 13:39
S16 8	0	pan\$4 with tilt\$4 with "not" near4 simultaneous\$3 and camera	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/21 11:40
S16 9	12	pan\$4 with tilt\$4 with different near4 time and camera	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/21 11:40

## EAST Search History

S17 0	2	"6816288".pn. and imag\$4	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/02/21 13:39
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